

Model -VMD-TX-x

The most important thing we build is trust

Video Microwave Digital Transmitter

The VMD (Video Microwave Digital) Series of compact, low power consumption transmitters provide exceptional video quality in high multipath environments. They are ideal for use inside buildings, in urban areas, and in other applications where multipath would normally cause video tearing or breakup.

All VMD Series transmitters offer three bandwidth modes: DVB-T (6, 7, 8 MHz), Narrow (2.5 MHz), and Ultra Narrow (1.25 MHz) channel spacing. DVB-T utilizes 2000 carriers to transmit video, two channels of voice, and data. VMD transmitters may be located on adjacent channels without a guard band. AES 128-bit encryption ensures secure communications.

The VMD is a small transmitter with a user selectable power output between 0-100 mW. This unit is ideal for bodyworn covert and shorter range UGV and UAV applications. The package is only 2.50" x 1.88" x 0.44" (approximate dimensions not including connectors). Power consumption is less than 4.0 Watts (low power setting) or less than 5.0 Watts (high power setting). Operation time on a fresh set of 10 AA Lithium batteries is more than five hours.

Features:

- User selectable up to 100 mW
- Three bandwidths:
 - DVB-T (6, 7, 8 MHz)
 - Narrow (2.5 MHz)
 - Ultra Narrow (1.25 MHz)

- Supports NTSC & PAL
- SDI input optional
- One video & two audio channels
- Small compact size 2.50" x 1.88" x 0.44"
- Weight - 2.5 oz
- Transmit high quality video with full security
- AES 128 encryption, (AES 256 optional)
- RS232 data channel
- Sleep Mode
- 16 Channels
- 250 KHz frequency step size
- Up to 5 hours operating time

Specifications:

| | |
|----------------------------|--|
| Video Compression | MPEG-2w/ non-DVB-T modes, MPEG-4 DVB-T compliant |
| Video Input | NTSC or PAL |
| Power Input Voltage | External 6-18 VDC |
| Power Consumption | 5 W (100 mW) |
| Operating Time | 5 hours+ (10 Lithium AA Batteries) |
| Operating Temperature | -10 degrees C to 50 degrees C |
| Compression | Standard MPEG-2 or MPEG-4 |
| Dimensions | 2.50" x 1.88" x 0.44" |
| Weight | 2.5 oz |
| Video Line Standard | PAL 625 or NTSC 525 |
| Video Latency (end to end) | As low as 54ms |
| Scrambling Type | Fixed key scrambling system |
| Output Frequency | Band Dependent |
| Encryption | AES 128, AES 256 optional |

For further information please contact:

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